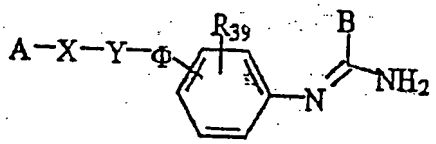
In the Claims:

Claims 1 to **13** (cancelled).

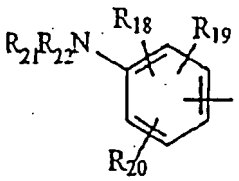
Claim 14 (currently amended) A compound of ~~general~~ the formula (I')



(I')

wherein

A is



R_{18}, R_{19} and R_{20} are independently selected from the group consisting of hydrogen, ~~halogen,~~ -OH, ~~SR_{23},~~ alkyl or alkoxy of 1 to 6 carbon atoms, ~~alkenyl of up to 6 carbon atoms and $NR_{24}R_{25}$;~~ R_{21} and R_{22} are independently selected from the group consisting of hydrogen and alkyl of 1 to 6 carbon atoms, or R_{21} and R_{22} form together with the nitrogen atom an optionally substituted heterocycle having 4 to 7 members and 1 to 3 heteroatoms including the already present nitrogen atom, the additional heteroatoms being independently selected from the group consisting of O, N or furthermore R_{21} is selected

from the group consisting of alkylsulfonyl, alkylsulfoxide and alkylcarbonyl and then R_{22} is hydrogen, ~~R_{23} is hydrogen or alkyl of 1 to 6 carbon atoms, R_{24} and R_{25} are independently selected from the group consisting of hydrogen, OH, alkyl of 1 to 6 carbon atoms and -CO-R_{26}, R_{26} is alkyl of 1 to 6 carbon atoms,~~

B is ~~selected from the group consisting of alkyl of 1 to 6 carbon atoms, $-NR_{34}R_{35}$, carbocyclic or heterocyclic aryl with 5 or 6 members containing from 1 to 4 heteroatoms selected from the group consisting of O, S and N, the aryl radical being optionally substituted by at least one member selected from the group consisting of alkyl or alkoxy of 1 to 6 carbon atoms and alkenyl of up to 6 carbon atoms~~ thiophenyl,

~~R_{34} and R_{35} are independently selected from the group consisting of hydrogen and alkyl of 1 to 6 carbon atoms, or R_{34} and R_{35} form together with the nitrogen atom a non-aromatic heterocycle with five to six members, each of the elements of the chain being selected from the group consisting of -CH_2-, -NH-, -O- and -S-,~~

X is selected from the group consisting of a bond~~, $-(CH_2)_m-$, $-(CH_2)_m-CO-$, $-O-(CH_2)_m-$, $-S-(CH_2)_m-$, $-NR_{36}-(CH_2)_m-$~~, or -CO-NR_{36}-, ~~$-O-(CH_2)_m-CO-$, $-S-(CH_2)_m-CO-$, $-NR_{36}-(CH_2)_m-CO-$, $-(CH_2)_m-C(OH)(CH_3)-CO-$, -CH=CH and -CH=N-,~~

Y is selected from the group consisting of a bond, -$(CH_2)_n$-, ~~and~~ -$(CH_2)_r$-Q-$(CH_2)_s$-, and thiazolidine,

~~Q is selected from the group consisting of piperazine, homopiperazine, 2-methylpiperazine, 2,5-dimethylpiperazine, piperidine, 1,2,3,6-tetrahydropyridine, pyrrolidine, azetidine, thiazolidine and a saturated carbon ring having 3 to 7 members,~~

Φ is ~~selected from the group consisting of a bond, $-(CH_2)_p-O-(CH_2)_q-$, $-(CH_2)_p-S-(CH_2)_q-$,~~ $-(CH_2)_p-NR_{37}-(CH_2)_q-$, ~~$-(CH_2)_p-CO-NR_{37}-(CH_2)_q-$, and $-CO(CH_2)_p-NR_{37}-(CH_2)_q-$,~~

R_{36} and R_{37} are independently selected from the group consisting of hydrogen, alkyl of 1 to 6 carbon atoms and $-CO-R_{38}$, R_{38} is alkyl or alkoxy of 1 to 6 carbon atoms,

R_{39} is ~~selected from the group consisting of~~ hydrogen ~~and alkyl or alkoxy of 1 to 6 carbon atoms~~,

m, n, p, q, r and s are independently integers from 0 to 6,

and its pharmaceutically acceptable salts.

Cancel **Claims 15** to **19**.

Claim 20 (previously presented) A compound of claim 14 selected from the group consisting of

- 2-amino-N-(4-{[amino(2-thienyl)methylidene]amino}phenethyl)-5-methoxybenzamide;

- 5-amino-N-(4-{[amino(2-thienyl)methylidene]amino}phenethyl)-2-hydroxybenzamide;

- 4-(4-{[amino(2-thienyl)methylidene]amino}phenyl)-N-{4-[(methylsulphonyl)amino]phenyl}butanamide;

- 4-(4-{[amino(2-thienyl)methylidene]amino}phenyl)-N-[4-(dimethylamino)phenyl]butanamide;

- 5-(4-{[amino(2-thienyl)methylidene]amino}phenyl)-N-[4-(dimethylamino)phenyl]pentanamide;

- (*4R*)-2-(3-{[amino(2-thienyl)methylidene]amino}-phenyl)-N-[4-(dimethylamino)phenyl]-1,3-thiazolidine-4-carboxamide;

- *tert*-butyl 3-{[amino(2-thienyl)methylidene]amino}benzyl{3-[4-(dimethylamino)anilino]-3-oxopropyl}carbamate;

- 3-[(3-{[amino(2-thienyl)methylidene]amino}-benzyl)amino]-N-[4-(4-methyl-1-piperazinyl)phenyl]propanamide;

- 3-[(3-{[amino(2-thienyl)methylidene]amino}-benzyl)amino]-N-[4-(4-morpholinyl)phenyl]propanamide;

- N'-[4-(2-{[5-(dimethylamino)-2-hydroxybenzyl]amino}ethyl)phenyl]-2-thiophenecarboximidamide;

- N-(4-{[(4-{[amino(2-thienyl)methylidene]amino}phenethyl)-amino]methyl}phenyl)acetamide;

- N'-[4-(2-{[5-(dimethylamino)-2-hydroxy-3-methoxybenzyl]amino}-ethyl)phenyl]-2-thiophenecarboximidamide;

- N'-{4-[2-(([4-(dimethylamino)anilino]carbonyl}amino)-ethyl]phenyl}-2-thiophenecarboximidamide;

- N'-(4-{2-[[5-(dimethylamino)-2-hydroxy-3-methoxybenzyl]-(methyl)amino]ethyl}phenyl)-2-thiophenecarboximidamide;

and the pharmaceutically acceptable salts of the latter.

Claim 21 (withdrawn) A method of inhibiting NO synthase in a patient in need thereof comprising administering to said patient a therapeutically effective amount of a compound of claim 14.

Claim 22 (withdrawn) A method of inhibiting lipidic peroxidation in a patient in need thereof comprising administrating to said patient a therapeutically effective amount of a compound of claim 14.

Cancel **Claim 23**.

Claim 24 (withdrawn) A method of treating a neurodegenerative disease in a patient in need thereof comprising administrating to said patient a therapeutically effective amount of a compound of claim 14.

Claim 25 (withdrawn) The method of claim 24 wherein the neuorodegenerative disease is selected from the group consisting of Alzheimer's disease, Huntington's chorea, Parkinson's disease, Creutzfeld Jacob disease and amyotrophic laterial sclerosis.